

ABSTRACT

A punctured pneumatic tire in a tire-rim assembly is repaired by mounting on a vehicle the tire-rim assembly provided with an internal pressure alarm means, said tire comprising an auxiliary load-supporting structure satisfying a requirement that an deformation quantity of the tire in a radial direction thereof at a rim-assembled state under a load corresponding to 90% of a maximum load capacity at an internal tire pressure of zero is within a range of 30-60% of a section height of the tire under no load at the internal tire pressure of zero; detecting a puncture of the tire produced during the running of the tire by the internal pressure alarm means; unavoidably running the punctured tire to a relatively short-range safe place to quickly stop the vehicle; and refilling gas to a given internal pressure by a gas filling means equipped on the vehicle while occluding a punctured hole with a puncture repairing means equipped on the vehicle.